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2. Personnel and Veterinary Organization:

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- a. The more important and authoritative body of veterinarians is, of course, located within the Narodni Komissariat Zemlyedyel (Ministry of Agriculture, referred to as Narkomzem). Narkomzem, Moscow, assigns a chief veterinarian to each of the republics. Veterinary inspectors of Narkomzem are dispatched throughout the republics, oblasts and rayons. Each oblast and rayon is assigned a veterinary. The district veterinaries are provided with more facilities and in most cases each rayon has a Veterinarnaya Lyechebnitza (Veterinary Hospital). The rayons are divided into uchastke (smaller land areas) which do not rate a doctor of veterinary medicine, but are assigned feldschers.
- b. Narkom Sovkhoz (Ministry of Sovkhozes) has its own voterinarians which it assigns to the Sovkhozes throughout the USSR.
- c. Narkom Myesnoye Promyshlyenost (Ministry of Meat Industry) assigns its own veterinarians to slaughter houses where they serve as meat inspectors.

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- d. The forces of the Red Army and the NKVD have their own veterinary departments.
- e. In addition to the above, the Ministry of Transport assigns its own veterinerians to major shipping junctions within the USSR. Whenever livestock is transported from one sector of the USSR to another, a livestock inspection is held and a bill of health issued by the District Veterinarian. However, a subsequent examination of the livestock is made at the junctions by the Ministry of Transport veterinarians.

See last page of this report for Chart of Organization under Narkomzem.

3. Disposition of Doctors of Veterinary Medicine in the Samarakand Oblast 19/1 to 19/6:

- a. At oblast headquarters, there were approximately 30 DVMs in 1946. Headquarters used to assign them to positions in the field.
- b. The University of Samarakand had a faculty of 15 professors, all doctors of veterinary medicine, whose primary concern was teaching, but they did some research.
- c. The Nauchno Sledstvenny Institut (the Scientific Research Institute) employed 10 DVMs who devoted their entire time to research in infectious animal diseases.

4. Biological Industry:

- a. The oblast and Narkomzem had a large district veterinary diagnostic laboratory at Katta Kurgan, Uzbek, USSR.
- b. There was another diagnostic laboratory at Harshi. This laboratory prepared a serum SZHYK Sivorota Zerobyk Kobyl, a serum taken from pregnant mares. This serum was used in accordance with the method of Zavodovski to produce multiple birth in karakul sheep.
- c. All drugs and instruments required for veterinary use in the Samarakand Oblast were provided by a district supply house, referred to as Rayoniy Snabzheniye,

5. Covernment Disease Control Trouran:

- a. The Rayoniy Vrach, who was responsible for control of infectious diseases in his district, would make a yearly plan for such control. Upon completion of his plan he would submit it to the oblast where the plan was to be examined. The oblast would either improve upon this plan or send its own with recommendations to Narkomzem. In the event that the representative of Narkomzem in the republic could not agree upon control measures, he would submit his plan for disease control to the Narkomzem, USSR. When the plan was finally received from headquarters, Moscow, the Rayoniy Vrach took such measures as follow:
 - (1) He checked all of the sheep within the rayon for brucellosis. To make the test for brucellosis, we intradermally injected brutzellizat, a biological product with which we could detect this infectious disease.
 - (2) instructed to inspect all the horses in the district for glanders.
 (3) vaccinated for anthrax. The serum used for anthrax was the same as that used in the US.

b. In disease control in the USSR, certainly in my region, there were two parallel groups involved:

(1) Zoote Mnichiskaya Rabota (Animal Husbandry) was responsible for food planning for livestock, for animal husbandry, and for available statistics on the number of animals expected to be born. It was also responsible for sufficient stables and corrals for the livestock.

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Sanitized Copy Approved for Release 2011/07/21: CIA-RDP80-00809A000600040469-8 COMFIDENTIAL/SECURITY INFORMATION (2) Assignments which included the need for veterinary science were handled by the Rayoniy Vrach, who was expected to maintain disease control. He was responsible not only for the livestock, but for whatever birds and fowls were found on the kolkhozes (a) Thenever an animal died an autopsy had to be performed before the animal could be removed. It was compulsory for a veterinarian to issue a certificate concerning the details of death of the animal. 25X1 (b) In practice, the issuance of death certificates by veterinarians was based on autopsy results or findings, but in most cases, this was 25X1 very difficult. 25X1 Since the rule for autopsies in each case makes a veterinarian partially responsible for losses of animals, he does not always submit true findings 25X1 when diagnosing a particular disease. To preclude the possibility of being personally implicated and charged with sabotage the veterinary slants his diagnosis and findings thereby hoping to prevent action against himself or others who might be accused. (c) Incidentally, if an animal died of injury, negligence or malnutrition, someone at the kolchoz had to make restitution (as an example, a Khovkhoz cow is priced by the state and not the Khovkhoz). If in the veterinarian's conclusions after diagnosis, a cow has died of any of the aforementioned reasons, the kolkhoznik (kolkhoz worker) has to pay its value in money or in kind. The money value is based on the free imnediately (d) Whenever an infectious disease was evidenced notified the Nachalnik of Harshi (manager or mayor). His response to information followed the form of a question "Did you notify in Sassanov? his was ironic for Ar Bassanov knew absolutely nothing about infecfor he was Secretary tious diseases among animals, of the Communist Party of the rayon. 25X1 25X1 25X1 25X1 25X1 25X1 25X1 Competence of Veterinarians in Central Asia. USSR: The Rayoniy Veterinary of Katta Kurgan, was considered one of the best in Central Asia. This fellow, a Korean (name not recalled) was sent to Korea for a short while after the Japanese surrendered in 1945. Several menths later he returned to Uzhek. It was difficult to ascertain his true worth as a he was a strong Communist. He may have been veterinarian for considered a good veterinarian because he was a good Communist. The general level of competence is a difficult factor to evaluate, but the training received at the University of Samarakand was could. The application of this training, however, was not good, Dr Salahov being a perfect example. It must be remembered that in Central Asia the literacy level was lower than in other parts of the USSA. Salahov himself was not able to read or write until he was about 10 years of age. Most of the veterinarians were dishonest, which is typical of the Soviet regime children. There was too much

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signed without an autopsy being held -- anything to look good in the eyes of

bureaucracy and suspicion, consequently the battle for bread made cheaters out of many of them. Fear of blane caused many of them to sign to dishonest findings in autopoies, in fact, in a number of cases, autopsy certificates were

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the local party secretary. CONFIDENTIAL/SECURITY INFORMATION

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25X1	7.	Sho	rtages:
25X1		a.	from 1941 - 46, the critical years of World War II,
25X1			it would be natural to blame shortages on the war economy of the USSR. However, during these years he existing
25X1			shortage was typical of the pre-World War II period. There was a shortage
25X1		Γ	of surgical instruments and pharmaceuticals in Samarakand and throughout Central Asia.
20/(1		h	There was a scarcity of qualified veterinary personnel in the USSR. This
			necessitated the filling of positions which called for the DVM by feldschers and sanitars (male nurses). Training received by the feldschers and sanitars was not on the highest level, but did fit them for general work at the Knovkhozes. In theory they were to handle only minor ailments and request the services of the district veterinarian but in some cases feldschers were able to treat the more common infectious diseases.
1.25	ø	Tnf	actions Disposeds
		TUIT	ectious Diseasea:
		8.	Central Asia, was a region which contained a great deal of malaria. [Off shoots of malaria as contracted by human beings was existent in animals in the form of piraplasmosis was quite a problem, especially in cattle and horses. We had two types of piraplasmosis in my area:
25X1	Marine de la companya de la company La companya de la co		(1) Theileriosis It appeared primarily in
25X1		b.	cattle. Symptoms of the disease were as follows high fever, bloody wrine, diarrhea or constipation. Post mortem findings included small hemorrhages in the visible mucous membranes which were yellowish and jaundiced. The internal organs of the animal also contained hamorrhages in the trachea, in the bowels, eyes and in the bronchial tubes. The spleen was enlarged. (2) Piraplasmosis itself was prominent in horses and may have infected mules, The causes of the various forms of piraplasmosis were microscopic protozoa of the red blood corpuscles /sic/. The treatment for theileriosis was less effective than for piraplasmosis. In order to treat this disease we used a trypan blue solution which we injected intravenously in doses of one to three grams per animal. This disease was particularly widespread in 1945. Within the piraplasmosis family there are two other types, but they are not common in Central Asia, they are francaiellosis and babesiosis. Toxemia - one day In the Andizhan Oblast, Voroshilov Rayon, the sheep within the
			province were dying of a peculiar disease.
			that wo strange men were seen in the
			sheep pastures that morning sprinkling some solution on the grass - an excellent
25X1	•		example of fear of sabotage or biological warfare. After the autopsy findings and portions of the anatomy were sent to the diagnostic laboratory in Andizhan.
25X1		•	(1) The following day that the laboratory had diagnosed the disease as anthrax.
25X1			commission and the laboratory for the disease was toxima &:C Since the officials of the Soviet Union never err, eccived a telegram from
25X1			the laboratory which read "Bacteriological, biological and bacterioscopic
25X1		Γ	tests all reveal that the disease is anthrax". A day or two later, received a
25X1		٠ ـ	wire confirming the disease was toxedia. The laboratory admitted
25X1			that it had erred, and had actually performed the test on the entrails of another shimal and not the one dispatched to them.
25X1			toxemia was transmitted by large ticks
25X1			which neavity amested the dirty wooden corrais (Sicili
25X1		c.	Suiluk - (a non-scientific name adopted by DVMs in Samerakand)
25X1			(1) We discovered an infectious disease in the Andizhan area
25X1			was unknown to any other parts of the USSR. Since toxenia was
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25X1	٠.	prevalent throughout the area, we originally	believe	d it to be	a form	of
		toxemia, but as we saw more of this disease w (2) This disease infected only horses, and s	trangel	y		the
25X1		infected horses had subsisted at a certain al and in dry rields. The disease was found in	titude. those re	(height no egions whe	t recall re strau	.ed) r.had
$\frac{N}{N} = \frac{1}{N} \left(\frac{1}{N} - \frac{1}{N} \right) = 0$		lain in the fields after harvest		the straw	which h	ad
		been consumed by the horses had lain in these (3). The disease affected the respiratory org the lungs. The breathing becoming more and m death of the animal followed. Subsequent aut	ans of the core difference of the core differ	the animal ficult and revealed t	s, prima eventua hat the	rily 1 lunes
		were the recipients of the attack. Because of tissue the lungs were so affected that they retouching these lungs they even	esembled n felt l	d a cow!s Like udder	udder. tiasue.	In The
25X1		disease developed slowry, rosses were quite he fatalities during the summer months.	eavy wi	th a predo	ninence	of
		(4) Although no successful care was discovered	ed			certai
25X1		professors suspected that the disease was caudeveloped in the disintegrating straw and the	residue	erious ty of harve	pe molas st.	, which
	đ∙.	Tetanus				t.,
		(1) Tetanus was a very coamon disease in Cent	tral Asi	a and was	prevale	
		primarily in horses. It was caused from saddle of a custom still practiced by many of the dor	la seres	which we	re the r	esult
Maria Baka Tanàna		did not remove the saddles from their horses in the saddle was removed the horse would no grass thereby contracting tetanus.	for a nu	mber of da	ave at a	tino.
:	Θ•	this disease, very prominent in the area, was in camels, among which the death rate was extra this disease, we used a Soviet preparation call in doses of 0.01 per one kilo of body weight of	found premely h lled Niy of the i	rimarily in a sign, Infected as	in horse order to It was g	s and, treat iven
		injected intravenously. The results of recove the preparation nigagant	ery vere	remarkabl	le.	
	۲.	it was brilliant oreen, afternan de product.	whenev	'er	short	of .
25X1		niyaganin a preparation was sent	t	from the I	Jepartne:	nt of.
25X1		reference to trypanosomiasis in casels the out	tbreak a	nd spread	Was qui	te
25X1	•	extensive in 1943. Fir existent in camels.	rst to d	iscover th	nat it w	9.8
25X1		Soviet Laboratory				
25X1		blood,	nosomias which wa	is parasit	te in the	e comel
25X1		and obtained excellent results.	þec	ause of th	ne death	of a
25X1		large number of camels a considerable number of jailed for sabotage.	of Sovie	t official	Ls had be	en
25X1	f.	Brucellosis - was very common a long both cattl	Le and a	heen. The	a Soviet.	
25X1		officials were very much perturbed by the spre	ead of b	rucellesis	in shee	3p,
25X1		for sheep milk was widely used in making a che		Led arings	ia.	<u> </u>
_	g •	Smallpox - was very common in sheep every year		ivial Image v		
25X1 25X1		valent in goats. incidentally, smallpox to goats or vice versa.	sheep	omalipox we could not	transmit	pre-
25Y1 .		· ·		•	•	
25X1 25X1	h.	Foot and mouth disease foot and nou cattle and hogo.	th dise		mmon amo	ng
. 3		Anthran - this was an acute bacterial disease animals in Central Asia but the Samar because guarded against it by vaccination,	which as akand O	ttacked al blast, was	l specie free of	s of t
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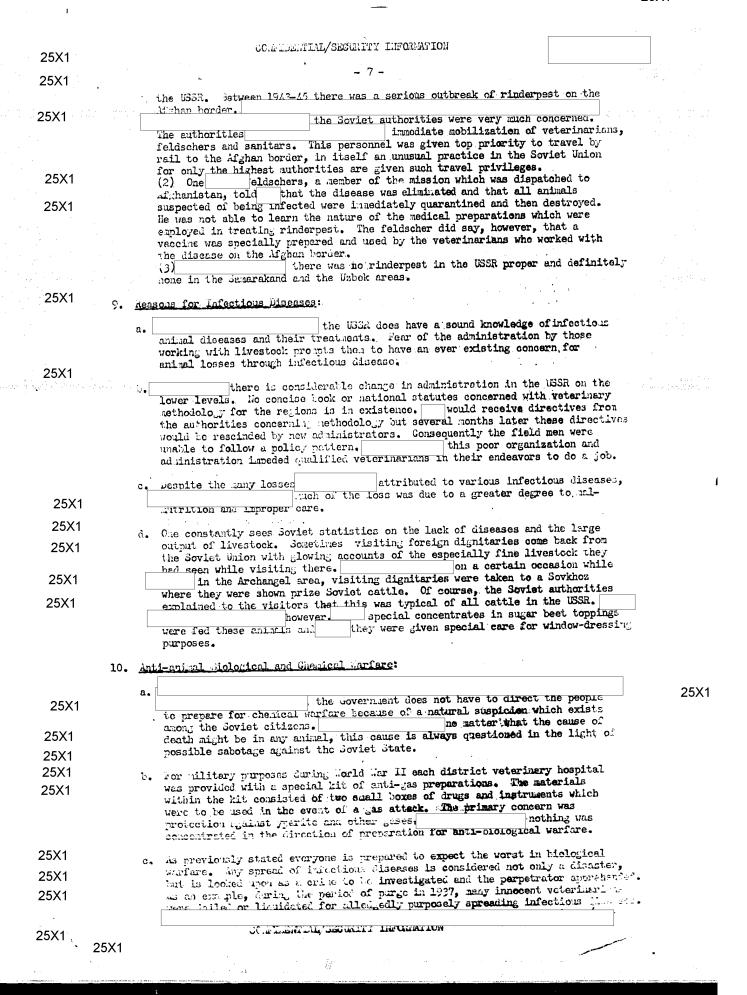
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Teactly deduce that it was dominant in the pulmonary organs of the animal. The mortality rate was exceptionally high. The surviving minals did not develop reportally appearing emanifacts, Litcless and underdeveloped. This mulmonia was high fewer. The remainder of the flook of gests was injected intravenously with necelvaream. k. Bictocaulosis - (1) Leasas from this disease were extractly high in both sheep and gests minary or the contract of central daria was badly infected with it. The highest ranking authority on parasitology in the USSR, Prof Skrahin, now about 70 years of age, stated that distictenceles be use the base of the cheep industry in the USSR, Skrahin, who was a member of the Vigenborni Soviet and decorated by the order of leash, was himself unable to determine a cure for this disease. 25X1 25X2 25X3 25X4 25X4 25X4 25X4 25X4 25X4 25X4 25X4 25X4 25X6 25X6 25X6 25X7 25X7 25X8 25X8 25X8 25X8 25X9 25X9 25X1 25X2 25X2 25X2 25X2 25X2 25X3 25X4 25	25X1		
FREATLY GROUND TANK IT WAS deathmant in the pulsecarry organs of the animal. The sortelity rate was exceptionally high. The surviving mainals did not develop properly appearing seasciated, lifeless and underdersloped. This disease was unknowed solewhere in the USSR. The first symptom of plauromalisonia was high fower. The resultation of the flook of gests was injected intravenemely with necessariance of the flook of gests was injected intravenemely with necessariance and the state of the flook of gests was injected intravenemely with necessariance and the flook of the flook of gests was injected intravenemely with necessariance and the flook of the flook of gests was injected intravenemely with necessariance and the flook of the flook o			
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disease was unknown elsewhere. The remainder of the flook of goets was injected intraveneously with necessiversen. k. Dictocoulesis (1) Licease. Come this disease were extremely high in both sheep and goets, much of Central Asia was bealty infected with it. The highest ranking authority on pregistrology in the 1858; Prof Strankin, now about 70 years of age, stated that dictocouleous was the bene of the sheep industry in the 1858; Siryabin, who was member of the Vayschovik Jorist and decerated by the order of Leain, was himself unable to determine a cure for this disease. 25M sheeked at the viciousness of this disease. It is the beneging the provision of the total. This disease which affected the beneging the provision of the total. This disease within affected the beneging the provision of the total. This disease within affected the beneging the provision of the total was discovered after a post-nection or equitated in the Soviet Union. 25X1 a horse. 25X1 a horse. a horse. conducted the post-worker at the University of Semaraland in order to point cut the possibility of its spread to other animals. The administrative authorities of Gentral asia were highly perturbed because of the extensive karadal industry in Samaraland and dishars. 25X1 1. Seables 25X1 2. States (1) This disease was quitto a problem in sheep and goats was disharded and consider the post-worker of the flat soft wood, were the primary victime of scaling. Seciles sociles in sheep and goats it was found in however an one can be sufficiently used in dire need of these animals. The administrative animals are seed to be a second to be supposed the contract to borses incore the illicary use in dire need of these animals. For treatment of horses special gas chambers where the horses could be sprayed with sulphur gas were used. 25X1 2. The second problem in the contract of the surface of the surface of fine surface. The contract of horses special gas chambers when the near equal to the surface of the surface of the surface of the su			
intravenously with necesivarsan. k. Dictocoullesis - (1) Lessas from this disease were extremely high in both sheep and gotts much of Central Asia was heady infected with it. The highest rentaing authentity on prevailed logy in the USSS, Prof Streadin, now about 70 years of age, stated that dictocoulceis was the base of the sheep industry in the USSS. Stryahin, who was member of the Vingerhorn! Soviet and decerated by the order of Lenin, was hisself unable to detarmine a cure for this disease. (2) incoked, at the violuousess of this disease, lesses of the lungs was easied by a lung vern and was next difficult to treat. These diseases the lungs was easied by a lung vern and was next difficult to treat. The side of tresheel injections of solutions of iodine and potensesium todds. This midding conjuncted injections of solutions of iodine and potensesium todds. This midding conjunction to the possibility of its agreed to other animals. The administrative authentities of Central Asia were highly perturbed because of the extensive kerskell industry in its arrakand and althory. 1. Scabies - (1) This disease was quite a problem in sheep and goat at was found industry in its arrakand and althory. (2) This disease was can be middle that the solutar animals. The administrative attended largers goats primarily. At the oblest assettings peace of eachies. Seciles concile in high state and the same animals. For treatment to horses special gas chabers where the horses could be sprayed with sulphur gas were used. (2) To treat sheep and goats, soluted the next primarity material in the need of these animals. For treatment of horses special gas chabers where the horses could be sprayed with sulphur gas were used. (2) To treat sheep and goats, soluted the next primarity mathods the use of conson and generally known vaccines. Insect the life in the Seriet Unites, for in their prepagation tray geny the existence of this disease. 25X1	•	diseas, was unknown elsewhere in the USSR. The rirst symptom of pleuro-	
25X1 A			
25X1 although this disease were extremely high in both sheep and goats—much of Central Asia was bedly infected with it. The highest ranking authority on paragitalogy in the 1858, prof Expain, now about 70 years of age, stated that distoculents was the bane of the sheep industry in the 1858. Siryahin, who was a meaber of the Niperborni Soviet and decerated by the order of Lenin, was himself unable to determine a cure for this disease. (2) shooked at the viciousness of this disease, losses in any ricoram approximated 256 of the total. This disease within affected the lungs was easied by a lung worn and was most difficult to treat. Deed the lungs was easied by a lung worn and was most difficult to treat. Deed the lungs was easied by a lung worn and was most difficult to treat. Deed the lungs was easied by a lung worn and was most difficult to treat. Deed the lungs was easied by a lung worn and was most difficult to treat. Deed the lungs was easied by a lung worn and was most difficult to treat. Deed the lungs was easied by a lung worn and was most difficult to treat. Deed the lungs was easied in the sort lider of the lungs of the lungs are asset to point out the possibility of its a pread on the first and the lungs are asset to point out the possibility of its a pread of the extensive karakul industry in 3a arakand and addrers. 25X1			
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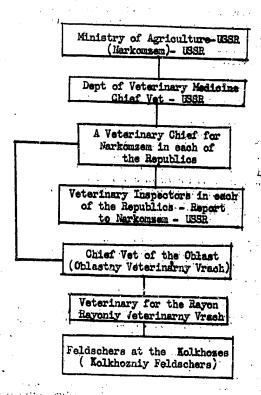
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	d. Whenever we held a veterinary meeting it was attended by the Nachalnik of the
	town, representatives from the district Communist Party headquarters, and, of course, a public prosecutor. The Nachalnik of the town would ask such questions of the veterinarian responsible for the area as "Tell me please Tovarish, why in your district behind in the quota?" or "Do you know, Tovarish, that 27
25X1	horses died in your area last quarter? What is your explanation?" Actually the veterinarian was giving testimony which either cleared him or placed him in a precarious position for he was on trial whether he was aware of it or not.
25X1	
25X1	e. Another examples the Samarakand Oblast veterinarian had been sent to prison for 10 years.
25X1	a foot and mouth disease had developed in the area with the result that had been accused of spreading the disease either through negligence
25X1	or wanton willfulness.
25X1 11	Research and Statistics:
	a. The prevalent breed of sheep in Central Asia is karakul. In fact Uzbekistan, Tadzhikistan and Kazakhistan are the largest producers of karakul sheep in the USSR.
	b. Artificial insemination - the Zavadovski method:
o de la companya del companya de la companya del companya de la co	(1) used a combination of SZHYK and hormones, equine gorradotropin, in order to increase the number of births per karakul sheep. (2) Normal birth in karakul sheep is about 110 lambs per 100 mothers. By use
25X1	of the above method increased the number of births to such extent that twins and triplets were not uncommon. In fact several quadruple and quintuple births.
	(3) The statistics issued by the USSR on the results of this Zavadovski method were a true picture of the birth rate. These statistics, however, failed to divulge the disasterous results to the sheep bearing these young, for the karakul
25X1	mothers were not physically constituted to support multiple birth with the result that death among the mothers decreased the original yield by almost 50%.
25X1	
!	c. Poultry and eggs: the kolkhozes are given a production norm for each year. Included within this norm kolkhozes were to provide the Government with 40 thousand chickens and a certain number of eggs as their share of the national norm. Of course, the Soviet Government in its national statistics showed how the Samarakand Oblast, for the glory of the Soviet Union, had exceeded its norm of 40 thousand chickens and eggs (number of eggs not recalled). But what the statistics failed to show was the human element involved. Many chickens had died, others had been stolen from the kolkhozes but the norm was met. In order to meat the norm each Kholkhoznik
25X1	was deprived of his own chickens and eggs with absolutely no consideration for
25X1	his welfare. In some cases kolkhozniks even werd to the free market where they purchased eggs and chickens to meet the requirements. Thus the norm was always fulfilled.
	d. Statistics on the animal mortality rate: the stytistics on the low animal mortality rate because of infectious diseases in the USSR is untrue. Whenever a number of animals died because of infectious diseases, malnutrition or some other cause, we veterinarians did not certify that all the deaths were the result of one specific factor. Instead the figures down to show a variety of innecuous causes such as old age, unavoidable accident, and etc. the authorities would single out an individual that could charge with a crime against the Soviet State. In order to survive in the USSR, everyone must at some time or another lie.
25X1 12.	Veterinary Education:
	a. The University of Samarakand
25X1	(1) There are two schools of discipline at this university. One of these is the department of Agronomy and the other the Department of Veterinary Medicine.
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Organization of Veterinarians Under Narkomzem - USSR



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